

CHAGADEYEV, N.

Concrete obligations. Voen.snan. 3/4 no.12:6 D '58.

(MIRA 12:2)

1. Predsedatel' komiteta pervichnoy organizatsii Dobrovol'nogo
obshchestva sodeystviya armii, aviatsii i flotu zavoda "Elektro-
sila."

(Military education)

CHAGANAVA, D.T.

Conservative treatment of acute thrombophlebitis of the veins
of the lower extremities. Soob. AN Gruz. SSR 38 no.1:233-240
Ap '65. (MIRA 18:12)

14(10)

SCV/99-59-6-2/13

AUTHOR: Khlebnikov, S.G., and Shanshiyev, A.K., Candidates of Technical Sciences, and Chaganava, V.A., Engineer

TITLE: Artificially-Curved, Prefabricated Reinforced-Concrete Troughs for Irrigation Chutes

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 6, pp 6-14, (USSR)

ABSTRACT: The article describes an entirely new method to cast troughs for irrigation chutes, which calls for casting artificially-curved, prefabricated reinforced-concrete troughs. Developed by A.K. Shanshiyev of the Laboratoriya industrial'nogo gidrotekhnicheskogo zhelezobetona Tbilisskogo nauchno-issledovatel'skogo instituta sooruzheniy i gidroenergetiki imeni Vintera, or the TNISGEI, (Laboratory of Industrial Hydrotechnical Reinforced-Concrete of the Tbilisi Research Institute of Structures and Hydraulic Power Engineering imeni Vinter), the new method differs from the con-

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SOV/99-59-6-2/13

Artificially-Curved, Prefabricated Reinforced-Concrete Troughs
for Irrigation Chutes

ventional one employing a double mold insofar as it has only one mold, the bottom plate. Covered by a concrete layer with laid-in reinforcements and lifted by a transverse beam at four points, the bottom plate bends at a certain angle and remains in this state until the concrete mass hardens. Prior to lifting, the concrete layer with reinforcements is subject to vibration by a flat-type vibrator of the I-7-type. The new trough specifications are: upper width - 65 cm; depth - 40 cm; wall thickness at bottom - 4.5 cm; wall thickness at trough rims - 3 cm; trough length - 4.1 m. The troughs thus made develop no cracks as there is no tensile stress left. The article cites the following names and organizations connected with the new trough development: Engineer A.A. Gabuniya, Gruz-NIIGiM, Samgorskaya orositel'naya sistema

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SOV/99-59-6-2/13

Artificially-Curved, Prefabricated Reinforced-Concrete Troughs
for Irrigation Chutes

(Samgorskaya Irrigation System), Samgorvodstroy,
Soyuzgiprovdhoz, Teziokamskaya orositel'naya
sistema (Teziokamskaya Irrigation System), Minge-
chaurstroy, Gruzgidroenergostroy, and Cherepovets-
metallurgstroy. There are 10 Soviet references,
7 photographs, 2 sets of diagrams, and 2 diagrams.

ASSOCIATION: GruzNIIGiM

Card 3/3

GRUNAUER, A.A., kand.tekhn.nauk; CHAGAR, B.B., inzh.; DIK, V.A., inzh.

Investigating the friction drive of fuel pump adjusters. Mekh. 1
elek. sots. sel'khoz. 19 no.1:24-28 '61. (MIRA 14:3)

1. Khar'kovskiy politekhnicheskii institut im. V. I. Lenina.
(Fuel pumps)

GRUNAUER, A.A.; CHAGAR, B.B.

Reasons for the vibration of fuel pump racks. Trakt.i sel'khozmasb.
31 no.2:7-10 F '61. (MIRA 14:7)

1. Khar'kovskiy politekhnicheskii institut im. V.I.Lenina.
(Fuel pumps—Vibration)

CHAGARIDZE, M. I.

KAVTARADZE, P. P., CHAGARIDZE, M. I. "Vasotropic and secretory disturbances in firearm wounds to the peripheral nerves of the extremities", In the collection: pyatnadtsat' let nauch.-prakt. deyatel'nosti Kliniki i Otd-niya nervnykh bolezney (Tbilis. gos. med. in-t. I Gor. b-tsa), Tbilisi, 1948, p. 93-107.

SO: U-4631, 16 Sept 53, (Letopis 'Zhurnal 'nykt Statey, No. 24, 1949).

CHAGELISHVILI, A.D.

Neural elements of the cornea under normal and pathological conditions. Soob. AN Gruz. SSR 19 no.4:503-506 0 '57. (MIRA 11:5)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gematologii
AN GruzSSR, Tbilisi. Predstavleno akademikom K.D. Bristavi.
(CORNEA--INNERVATION) (EYE--TUBERCULOSIS)

CHAGELISHVILI, A.D.

CHAGELISHVILI, A.D., Cand Med Sci -- (diss) "Data on the study of tuberculous keratitis. (Clinic, therapy, and morphology)." Tbilisi, 1958. 16 pp (Tbilisi State Med Inst). 200 copies (KL, 20-58, 102)

CHAGIN, B.A.

"Agricultural Reconstruction and its Social Results in the U.S.S.R."

Report presented at the 5th World Congress of Sociology, Washington,
D.C., 2-8 Sep 62.

ALABYAN, K.S. [deceased]; BLOKHIN, P.N.; BOFYINKO, M.Ye.; DEVIYATEKOV, G.V.; DMITRIYEV, A.D.; YERSHOV, P.N.; ZAYTSEV, A.G.; KIBIREV, S.P.; KOSTYUKOVSKIY, M.G.; KUZNETSOV, B.T.; L'VOV, G.N.; MOGIL'NIY, A.I.; ORLOV, G.M., OVSIYAN-
NIKOV, K.L.; PROMYSLOV, V.F.; SMIRNOV, N.N.; SKACHKOV, I.A.; SOLOF-
NENKO, N.A.; SUSNIKOV, A.A.; CHAGIN, D.A.; KUCHERENKO, V.A., obshchiy
red.; GRISHMANOV, I.A., obshchiy red.; SVETLICHNIY, V.I., obshchiy
red.; RUBANENKO, B.R., obshchiy red.; BARSKOV, I.M., red.; UDOD,
V.Ya., red.izd-va; YUDINA, L.A., red.izd-va; GOLOVKINA, A.A., tekhn.
red.

[Building practices in foreign countries; Northern Europe and German
Federal Republic] Opyt stroitel'stva za rubezhom; v stranakh Se-
vernoi Evropy i FRG. Po materialam otchetov delegatsii sovetskikh
spetsialistov-stroitelei. Moskva, Gos.izd-vo lit-ry po stroit.,
arkhit. i stroit.materialam, 1959. 598 p. (MIRA 12:12)

1. Predsedatel' Gosstroya SSSR (for Kucherenko). 2. Zamestitel'
predsedatelya Gosstroya SSSR (for Svetlichnyy).
(Europe, Western--Building)

CHAGIN, I.M.		PROCESSING AND PROPERTIES INDEX		2ND AND 4TH COLUMNS	
Ck				2	
Physicochemical analysis of fused-salt systems. I. Electric conductivity of two-component systems of sodium, potassium, thallium, mercury or silver nitrate, chlorides or iodides. A. G. Burgans and I. M. Chagin (in English, 720).—The systems NaNO₃-KNO₃, HgI₂, TlCl, TiNO₃-HgI₂, TiNO₃-HgCl₂ and AgNO₃-HgI₂ were studied. The deviation of the min. on the cond. curve which represents definite chem. compn. is attributed to the nonstoichiometric increase of the degree of dissociation of the temp. of the components into their ions. This causes a displacement of the min. in the direction of the less-conducting component. Thus, the constancy of the relation between the const. of the ions is obtained by the change of the compn. of the mixt., i. e., by the increase of the amt. of the slightly dissociated component and the decrease of the rapidly increasing const. of the ions of the 2nd component with the increase of the temp. The S-type curves predicted previously by B. were realized. An inflection point was observed on the up. cond. isotherm of the system TiNO₃-HgI₂; it disappears with increase of the temp. The leveling of the isotherms (predicted previously by B.) of the up. cond. with increase in temp. was verified. In a homogeneous medium the formation of definite chem. compn. is manifested on the cond. curves only by sharp rational min. Twenty references.					
Inst. Gen. & Inorg. Chem. in Kurnakov					
ABSTRACTS METALLURGICAL LITERATURE CLASSIFICATION					
IRON STEELWORK		STEELWORK		STEELWORK	
100000 WIP QTY 200		100000 WIP QTY 200		100000 WIP QTY 200	
100000 WIP QTY 200		100000 WIP QTY 200		100000 WIP QTY 200	

25(2), 25(5)

SOV/119-59-9-15/19

AUTHORS:

Gerdler, V. S., Engineer, Chagin, I. M., Engineer

TITLE:

The Reduction of the Defects in the Performance of an Automatic Piezometric Densimeter (Concentration Meter)

PERIODICAL:

Priborostroyeniye, 1959, Nr 9, pp 28-29 (USSR)

ABSTRACT:

In investigations on the automatic control of phosphoric acid extraction from apatite by the sulfuric acid method a piezometric densimeter type DPM (construction OKB) of the Gosudarstvennyy Komitet Soveta Ministrov SSSR po khimii (State Committee of the Council of Ministers USSR for Chemistry) was used. Results obtained in testing the densimeter type DPM-3 with the constructive design OKB are given in a table. The wide fluctuation range (up to 7.5% of full deflection) of the second instrument is striking. It was undesirable to reduce the oscillation deflections in order to avoid delay. The densimeter operates with an error not exceeding 4% of full deflection. This error is accepted as limit of accuracy for the operation of this densimeter. It is, however, very unsatisfactory, and the authors therefore undertook to find the sources of error and inaccuracy in the operation of the densimeter. The pipe which conducts air into the minus tube has a much larger volume than

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The Reduction of the Defects in the Performance of SOV/119-59-9-15/19
an Automatic Piezometric Densimeter (Concentration Meter)

the plus tube. When air of an equal pressure is applied to both tubes, this buffer capacity thus prevents the air bubbles from constantly creeping through from the second bubbling minus tube. This is the reason for the considerable fluctuations of the deflections in the secondary instrument. These fluctuations can be eliminated without application of a damper, by introducing more air into the minus tube than into the plus tube. However, this procedure is complicated and inaccurate. More stable and exact operation of the densimeter could be accomplished by attaching a compensating volume, to equate the volumes of the air line pipes of the minus and plus tube. In this case the quantities of air passing into both tubes are equal and the instrument may be returned to its initial adjustment after repeated tuning simply by counting the air bubbles. As is apparent from a table, the performance of such a densimeter is very stable and accurate. The author was able to reduce the error to 2% and less, and attained good agreement between the deflections of the instrument and density controls of the fluid in question by means of a hydrometer. There are 1 figure and 2 tables.

Card 2/2

CHAGIN, I.M.; PETROVA, K.N.

Cause of wire corrosion and of breakdown of insulation of
windings of electrical machinery. Sbor. mat. po obm. opyt.
NIUIF no.12:28-31 '59 (MIRA 16:12)

1. Nauchnyy institut po udobreniyam i insektofungisidam
imeni prof. Samoylova.

CHAGIN, K.P.

"Duration of the Development Cycle of the Mosquito Vectors of Autumn (Japanese)
Encephalitis Virus. Med. Parazitologiya, 15 (1946), 2, 76-83.

SO: Translation-2524467, 30 Apr 1954.

PERVOMAIISKIY, G. S. ; CHAGIN, K. P.

Ye. N. Pavlovskiy and the Theory of the Natural Focality of Transmissible
and Parasitic Diseases

Priroda, 1950, 6, 42-51

CHAGIN, K. P.

USSR/Medicine - Relapsing Fever
Animals, Experimental

1 Jun 50

"Experimental Data on the Central Asia Type of Tick-Borne Relapsing Fever," Acad
E. N. Pavlovskiy, G. S. Peromayskiy, K. F. Chagin

"Dok Ak Nauk SSSR" Vol LXXII, No 4, pp 813-816

Investigated interuterine infection of fetuses of guinea pigs by subject fever when mothers were infected at different periods of pregnancy. Checked newborn guinea pigs for first 10 days of life for spirochetes, and blood of stillborn guinea pigs or those which died shortly after birth. When pregnant guinea pigs were infected within a period less than the incubation period of spirochetes before birth of young guinea pigs, no spirochetes were found in the young. Found fetuses and young guinea pigs from immunized mothers were not infected by homological strains of spirochetes before birth or for first few days of life but soon lost their resistance. Both mothers and fetuses could be infected by heterological strains. Demonstrated subject spirochetes were not transmitted by mother's milk to the young. Discusses bearing on human infection with this type of disease and human interuterine infection with spirochetes in general. Submitted 7 Apr 50.

PA 165TH3

CHAGIN, K.P.

RACHINSKIY, F.Yu.; PERVOMAYSKIY, G.S.; CHAGIN, K.P.

Dimethylphthalate as goat repellent. Zool.shurnal 30 no.1:69-72
1951. (CLML 20:5)

1. Of the Department of General Biology and Parasitology imeni Academician Ye.M.Pavlovskiy (Head--Ye.M.Pavlovskiy, Lieutenant General, Medical Corps) and of the Department of Inorganic Chemistry (Head--F.Yu.Rachinskiy, Engineer Lt-Col) of the Military Medical Academy imeni S.M.Kirov.

CHAGIN, K. P.

USSR/Medicine - Listerellosis Virus Diseases

May 53

"The Problem of the So-Called Atypical Form of Tick Encephalitis," Ya. N. Pavlovskiy, A. I. Smirnov, A. N. Shapoval, K. P. Chagin, I. V. Ryzhov, Military Med Acad Imeni S. M. Kirov

Zhur Mikro, Epid, i Immun, No 5, pp 41-46

Investigation of cases of infection with the so-called atypical tick encephalitis or 2-stage ("2-wave") meningoencephalitis showed that the disease in question is not transmitted by ticks and that it is actually listerellosis.

PA 253T12

CHAGIN, K.P.

PAVLOVSKIY, Ye.N., akademik; PERVOMAYSKIY, G.S.; CHAGIN, K.P.

Intensity of feeding of one and at the same time of two species of
pasture ticks (Ixodidae) on rabbits. Zool.shur. 33 no.3:497-506
My-Je '54. (MLRA 7:7)

1. Kafedra obshchey biologii i parazitologii im. akad. Ye.N.Pav-
lovskogo Voenno-meditsinskoy akademii im. S.M.Kirova.
(Parasites--Rabbits) (Ticks)

PERVOMAIISKIY, G.S.; CHAGIN, K.P.; BOLDYREV, S.T.

On the mass reproduction and habitation of the ticks *Ornithodoros*
talaje Guerin-Meneville, 1849 [with English summary in insert].
Zool.zhur. 35 no.9:1303-1311 S '56. (MLRA 9:12)

1. Kafedra obshchey biologii i parazitologii Voenno-meditsinskoy
akademii imeni S.M.Kirova.
(Soviet Central Asia--Ticks) (Parasites--Water birds)

PERVOMAYSKIY, G.S.; CHAGIN, K.P.; BOLDYREV, S.T.

New nistribution fodi of the tich Ornithodorus talaje Guerin-Meneville,
1849 found in the USSR. Dokl. AN SSSR 109 no.1:238-240 J1-Ag '56.
(MLRA 9:10)

1. Voenno-meditsinskaya akademiya imeni S.M. Kirova. Predstavleno aka-
denikom Ye.H. Pavlovskim.
(Ticks) (Parasites--Birds)

CHAGIN, K.P.

SMIRNOV, O.V.; PRAVDIN, N.D.; KURIS, M.V.; CHAGIN, K.P.

DDT for protecting man from *Xenopsylla cheopsis*. Med. paras. i paras.
bol.27 no.1:104-105 Ja-P '58. (MIRA 11:4)

(FLEAS.

human infestation by cat's fleas, DDT ther. (Rus))

(DDT, therapeutic use

human infestation by cat's fleas, results (Rus))

CHAGIN, K.P.

USSR/Zooparasitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10105

Author : Pervomayskiy, G.S., Chagin, K.P., Boldyrev, S.T.

Inst : -

Title : Detection of New Breeding Foci of Ticks *Ornithodoros talaje* Guerin-Meneville, 1849, in USSR.

Orig Pub : Dokl. AN SSSR, 1956, 109, No 1, 238-240

Abstract : In bird-colony nests of cormorants (*Phalacrocorax carbo*), sea-gulls (*Larus ichthyæetus*), and pelicans, ticks were found in masses and identified as *O. talaje* on two desert islands of a large lake in middle Asia. Numerous deposits of eggs, males, females and nymphs of these ticks (up to 1500-8000 items) were located in the middle fairly humid layer of the nest. From 5 to 1000 specimens of larvae were found on chicks of sea-gulls and cormorants. Ticks and their deposits were also found under stones on the ground.

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USSR/Zooparasitology - Acarina and Insect-Vectors of Disease
Pathogens.

G-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10105

In the laboratory the ticks readily fed on guinea pigs and humans. The birds carry the ticks to these islands on their bodies.

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PERVOMAYSKIY, G.S.; CHAGIN, K.P.; DYATLOV, A.G.

Materials on the biology of *Ornithodoros coniceps* Can. (Acarina,
Ixodoidea) [with summary in English]. Ent.oboz. 37 no.4:889-
895 '58. (MIRA 11:12)
(Ticks) (Parasites--Water birds)

CHASIN, K.P.; DYATOLOV, A.G.

Ornithodoros soniceps (Canestrini, 1890) as a possible carrier
of the causative agent of tick-borne spirochetosis. Med. paras.
i paras. bol. 29 no.3:288-291 '60. (MIRA 13:12)
(RELAPSING FEVER) (TICKS AS CARRIERS OF DISEASES)

IZYUMOV, V.N.; Prinsipali uchastiye: BLYABLINA, V.A., student; STRAKHOVA, L.L., student; CHAGIN, M.P., student

Use of p-tert-butylbenzoic acid in the synthesis of lacquer resins. Lakokras.mat.i ikh prom. no.1:3-8 '61. (MIRA 14:4)

1. Yaroslavskiy tekhnologicheskii institut.
(Resins, Synthetic) (Benzoic acid)

L 1878-66 EWT(m)/EPF(c)/EWP(j)/T RM

ACCESSION NR: AP5022510

UR/0303/65/000/004/0022/0026
667.621.264

AUTHOR: ^{44.55} Filippychev, G. F.; ^{44.55} Chagin, M. P.

TITLE: Mechanism of ¹⁵film formation by water-soluble alkyd resins ^{15, 44.55}

SOURCE: Lakokrasochnyye materialy i ikh primeneniye, no. 4, 1965, 22-26

TOPIC TAGS: resin, pentaerythritol, aliphatic carboxylic acid, phthalic anhydride

ABSTRACT: An investigation is made of the mechanism governing the conversion of salts of nitrogenous bases and acid alkyd resins in the course of film formation at 110, 150, and 170C. The process is studied on a pentaphthalic resin of the following composition (moles): pentaerythritol 1, synthetic fatty acids of the C10-C16 fraction 1, phthalic anhydride 1; it is shown to involve decomposition of the salts of nitrogenous bases with regeneration of carboxyl groups, which react with the hydroxyl groups of the resin, and the formation of amide bonds. Triethylamine and ammonia are most suitable for the neutralization. Water-soluble alkyd resins can be cured with water-soluble alkoxy-methylmelamines. The degree of conversion into a three-dimensional structure depends on the type of nitrogenous
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L 1878-66
ACCESSION NR: AP5022510

base employed. When unsaturated fatty acids are introduced into the resin composition, water-soluble resins are obtained which form a three-dimensional structure in the presence of desiccants. The degree of conversion depends on the type of nitrogenous bases and duration of film formation. "The authors thank I. L. Belayts for recording the infrared spectra." Orig. art. has: 6 figures and 4 tables^{4/55}

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 002

OTHER: 001

Card 2/2

CHAGIN, N.

Prevention is the main thing. Posh.delo 6 no.8:12
Ag '60. (MIRA 13:8)

1. Starshiy rayonnyy posharnyy inspektor, selo Yelizovo,
Kamchatskaya oblast'.
(Kamchatka Province--Fire prevention)

SOV/24-58-4-15/39

AUTHORS: Petrova, Ye.N. and Chagin, N.M. (Moscow)

TITLE: Protection of Windings of Electrical Machinery from Breakdowns (Zashchita obmotok elektromashin ot proboya)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 4, pp 90 - 91 (USSR)

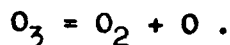
ABSTRACT: Breakdown of high-voltage insulation is usually preceded by oxidation of the material of the conductors and this indicates that the purely physical phenomenon of breakdown is preceded by chemical phenomena. The authors of this paper investigated the ignition coil of a motor-car. Usually, ignition coils fail as a result of breakdown in the turns near to the core. This breakdown is preceded by the conductor turning green, which indicates that oxidation processes proceed in the area of the densest magnetic flux of the coil; this is confirmed by intensive corrosion of the core itself, which is made of annealed steel strip. The fact that the conductors are subject to oxidation in the field of the most intensive magnetic flux leads to the assumption that this phenomenon is associated with the paramagnetic properties of oxygen molecules which are drawn into the magnetic field of the

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Protection of Windings of Electrical Machinery from Breakdowns

solenoid. This process is most intensive where the potential of the magnetic field is highest. As a result of the silent discharge, the oxygen inside the solenoid becomes transformed into ozone. Ozone, being a diamagnetic gas, is ejected from the solenoid and, on its path, oxidises the weak parts of the insulation. Probably, in the oxidation reaction of the insulation, the coefficient equals unity, i.e. it proceeds according to the formula:



The molecular oxygen obtained during this reaction is drawn in or simply remains in the coil where it becomes again transformed into ozone. Thus, it can be assumed that due to the effects of the magnetic field of the solenoid and the silent discharge, the oxygen of the air becomes transformed into ozone which oxidises the insulation and the conductor materials.

For determining the quantity of ozone, the authors applied an instrument, a sketch of which is reproduced in the paper; a coil 1 was enclosed in a space 2 ,

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which was isolated from the surrounding medium by two hydraulic seals 3 and 4 which contained a 5% solution of potassium iodide for absorbing the ozone ejected by the solenoid. These hydraulic seals permit entry of air from the surrounding space along the path 5, when the oxygen inside the space has been consumed. Experiments were also made with coils for which the paper insulation between the layers was not impregnated with a liquid dielectric. The secondary coil of such ignition windings was impregnated for several days with a 5% potassium iodide solution, to which a 1% starch solution was added in the volume ratio 1:10. After impregnation the coil was dried in a thermostat at 95 - 100 °C and subjected to tests. This experiment has shown conclusively that at the spots where the magnetic field is the strongest, i.e. near to the core, an intensive evolution of ozone takes place. The initial (internal) layers of the coil gave a clear indication of the presence of ozone, whilst no ozone could be detected in the other layers of the winding. On cutting open such a coil, the interlayer paper insulation

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of four layers of ^{the}winding, located near to the core, showed clearly visible intensive violet bands, i.e. traces of the path of movement of the ozone inside the solenoid; no such bands were detected at the middle and outside layers. Investigation of such ignition coils showed that the quantity of the ozone ejected by the coil depends on the intensity of the magnetic flux. The coil without a core ejects two to three times less ozone than one with a fitted core and with a polychlorvinyl insulation film. Coating of the core with a plastic substance was effected for the purpose of preventing loss of ozone due to its consumption for oxidation of the steel sheet. Increase of the ozone generation in the coil with a fitted core is attributed to the fact that the core concentrates the magnetic flux and thus also increases the oxygen "breezing" of the coil. It can be seen from the data entered in the table, giving the quantity of ozone generated by the secondary winding of the coil, in cm^3/h , that the cause of failure of the insulation of the winding of a solenoid (motor-car ignition coil) is the oxidation effect of ozone, produced by the silent discharges from oxygen molecules, which are drawn into the coil

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Protection of Windings of Electrical Machinery from Breakdowns

by the magnetic lines of force. Similar phenomena are likely to be observed also in coils of transformers and other electrical apparatus and machines. Addition of colophony to the liquid dielectric used for impregnating coils protects the insulation against oxidation because this substance oxidises very easily and absorbs the oxidation effects of the ozone, thus protecting the insulation.

This is a complete translation.

There are 1 figure and 1 table.

SUBMITTED: August 16, 1957

Card 5/5

CHAGIN, N.P.

Our methods of track maintenance in a coal handling heavy traffic section. Put' i put.khoz. 7 no.8:8-11 '63. (MIRA 16:9)

1. Nachal'nik Promyshlenskoy distantzii puti Zapadno-Sibirskoy dorogi.
(Siberia, Western--Railroads--Maintenance and repair)

CHAGIN, P.; TAVADZE, Ye.; FOMICHEV, N.; KAZARINA, N.

Material incentives and the quality of production; discussing the practice of the Kalinin textile workers. Sots.trud 7 no.7:113-121
Jl '62. (MIRA 15:8)

1. Nachal'nik otдела truda Pavlovo-Pokrovskoy fabriki (for Chagin). 2. Direktor Tbilisskogo kamvol'no-sukonnogo kombinata "Sovetskaya Gruzija" (for Tavadze). 3. Direktor Shchelkovskogo khlopchatobumazhnogo kombinata (for Fomichev). 4. Nachal'nik otдела truda Shchelkovskogo khlopchatobumazhnogo kombinata (for Kazarina).

(Textile industry--Quality control)
(Bonus system)

CHAGIN, P. K.

New wage scale at a textile plant. Sots.trud no.12:116-121
D '58. (MIRA 13:4)

1. Nachal'nik otдела труда Pavlovo-Pokrovskoy pryadil'no-tkatskoy
fabriki Moskovskogo oblastnogo sovnarkhosa.
(Moscow Province--Cotton manufacture--Production standards)
(Wages)

CHAGIN, P.K.

Regulating wages and work standards. Tekst.prom. 19 no.2:4-7
P '59. (MIRA 12:5)

1. Nachal'nik otдела труда i zarabotnoy platy Pavlovo-Pokrovskoy
fabriki.
(Textile industry--Standards) (Wages)

CHAGIN V.

"K voprosu mekhanizatsii transporta topliva i udaleniya shlake v melkikh ustanovkakh so slantsevymi topkami", p. 45

Goryuchiye Slantsy, No. 5-6, 1932

DOMRACHEV, Georgiy Vladimirovich, prof., zasluzh.deyatel' nauki RSFSR [deceased];
SHARAERIN, I.G., prof.; SMIRNOV, S.I., prof.; CHAGIN, V.G., prof.;
KLEYNBOK, Ya.I., prof.; LYAPUSTIN, A.K., prof.; SEMUSHKIN, N.R.,
prof. [deceased]; ONEGOV, A.P., prof.; KHRUSTALEV, S.A., prof.
[deceased]; CHERKASOV, V.A., dotsent; SOLOVEY, A.S., red.; PROKOP'YEV,
L.N., tekhn.red.

[Pathology and treatment of internal noninfectious diseases of farm
animals] Patologiya i terapiya vnutrennikh nezaraznykh boleznei
sel'skokhoziaistvennykh zhivotnykh. Moskva, Gos.izd-vo sel'khoz.lit-ry.
1960. 503 p. (MIRA 13:11)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. V.I.Lenina (for Domrachev).
(Veterinary medicine)

PAVLOVSKIY, Ye.N., otv.red.; VASNETSOV, N.A., prof., red.; VERESHCHAGIN, M.N.,
 prof., red.; MINKIN, T.S., prof., red.; POPOV, P.I., prof., red.;
 STUDENTSOV, A.P., prof., red.; CHAGIN, V.G., prof., red.;
 SABIN, I.M., dotsent, red.; TANYASHIN, I.F., dotsent, red.;
 BORISOVICH, F.K., red.; SOKOLOVA, N.N., tekhn.red.; PEVZNER, V.I.,
 tekhn.red.

[The N.E.Bauman State Veterinary Institute in Kazan (1873-1953);
 materials on the history of veterinary education in the U.S.S.R.]
 Kazanskii gosudarstvennyi veterinarnyi institut imeni N.E.Baumana
 (1873-1953); materialy k istorii veterinarnogo obrazovaniia v SSSR.
 Moskva, Sel'khozgiz, 1956. 182 p. (Kazan, Veterinarnyi institut.
 Uchenye zapiski, vol.63). (MIRA 16:8)
 (Kazan--Veterinary colleges)

CHAGIN, V.P.

Московский дом научно-технической пропаганды имени П. И. Бериинского МАШИНЫ И БУКВЕННАЯ ЗАПИСЬ 804/4896	
Автоматическое формование листов - средство комплексной автоматизации производства. (Rotary-Transfer Machine Lines - Means of Full Automation of Production) Moscow, Mashiz, 1960. 221 p. 10,000 copies printed.	
Ed. I. L. M. Koshkina; Ed. of Publishing House: I. Vasil'yeva; Tech. Ed. I. G. V. Smirnova; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin, Engineer.	
PURPOSE: The book is intended for technical personnel in the machin- ery industry.	
CONTENTS: This collection of articles explains the principles of full automation based on the use of rotary transfer machines in various industries. The rotary operational transfer machines used for basic processing are discussed, and also the special power equipment and accessories for these machines and (production) lines. No personalities are mentioned. There are no references.	
Кашкин, Л. И. Basic Problems in the Full Automation of Product Manufacture	3
Медведев, Л. А. Installation and Working Principle of Rotors for Inspection Operations	62
Медведев, Л. А. Rotors for Regular and "Stochastic" Coating	76
Медведев, Л. А. Dosage of Loose and Liquid Materials in Rotary Transfer Machine Lines	85
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Орнберг, Л. И. Rotors for Transfer and Feeding	108
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Камелев, В. В. Hydraulic Drives for Rotors	148
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Сokolov, V. S. Automatic Rotary-Transfer Machine Line for the Manufacture of Welding Electrodes	209
AVAILABLE: Library of Congress (J1189.M6)	VI/000/00 5/24/61
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CHAGIN, Yu., brigadir tokarey

Brigade works for communism. Mashinostroitel' no.6:4-5
Je '63. (MIRA 16:7)

1. Ansherskiy mashinostroitel'nyy zavod.
(Anshero-Sudchensk—Machinery industry)

USPENSKIY, V.A.; RADCHENKO, O.A.; GLEBOVSKAYA, Ye.A.; SHISHKOVA, A.P.;
 MEL'TSANSKAYA, T.N.; INDENBOM, F.B.; Primali uchastiye:
 KOLOTOVA, L.F., khimik; CHAGINA, T.P., tekhnik; BASKINA, T.B.,
 laborant; VIKULINA, M.N., laborant; POLOVNIKOVA, I.A., fizik;
 PETROV, A.K., tekhnik; PONOMAREV, B.P., laborant; KHYAMYALYAYNIN,
 L.B., laborant; KLOCHKOV, B.N., laborant; RAGINA, G.M., vedushchiy
 red.; SAFRONOVA, I.M., tekhn.red.

[Basic processes of the transformation of bitumens in nature
 and the problems of their classification] Osnovnye puti pre-
 obrazovaniia bitumov v prirode i voprosy ikh klassifikatsii.
 Leningrad, Gos.nauchno-tekhn.izd-vo neft.i gorno-toplivnoi
 lit-ry Leningr.otd-nie, 1961. 314 p. (Leningrad. Vsesoiuznyi
 nauchno-issledovatel'skii geologorazvedochnyi institut. Trudy,
 no.185). (MIRA 15:4)

(Bitumen—Geology)

CHAGINA, V.A., agronom po zashchite rasteniy

~~Helping lagging farms. Zashch. rast. ot vred. i bol. 9 no.5:~~
7-8 '64. (MIRA 17:6)

1. Ozerskiy rayon, Kaliningradskoy oblasti.

CHAGINA, Ye.G.

Special aspects of soil formation in the low mountain region of the northern Altai. Pochvovedenie no.6:44-52 Je '60. (MIRA 13:11)

1. Altayskiy sel'skokhozyaystvennyy institut.
(Altai Mountains--Soil formation)

CHAGINA, Ye.G.

Forms of phosphates and the nitrification capacity of soils of the
lower mountains of the northern Altai. Izv.Sib.otd.AN SSSR no.6:
114-119 '61. (MIRA 14:6)

1. Krasnoyarskiy sel'skokhozyaystvennyy institut.
(Altai Territory—Soils—Phosphorus content)

MATROZOV, V.I.; RAMM, V.M.; CHAGINA, Z.V.

Study of high speed uniflow atomization apparatus during the absorption of readily soluble gases. Khim. prom. 41 no.2:46-53 F '65.
(MIRA 18:4)

RAMM, V.M.; CHAGINA, Z.V.

Studying mass transfer in the liquid phase during gas absorption in packed towers. Khim. prom. 41 no. 12:910-912 D '65
(MIRA 19:1)

BOLEKED, V.I., kand.tekhn.nauk, dotsent; DAVIDYUK, V.I., assistant;
CHAGINTSEVA, A.A., assistant

Cutting force and chip shrinkage in cutting-off a workhardened
metal. Izv. vys. ucheb. zav.; mashinostr. no.6:147-153
(NIRA 14:5)

1. Chelyabinskiy institut mekhanizatsii i elektrifikatsii
slobozhno khozyaystva.
(Metal cutting)

CHIRIKOV, B.

Dissertation: "Some Questions on the Agrotechnics of the Summer Cultivation of Potatoes." Cand Agr Sci, Kazakh State Agricultural Inst, 28 Jun 54. (Kazakhstanskaya Pravda, Alma-Ata, 16 Jun 54)

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Koz. Izvestiya Akad, nauk Kazakh. SSR, No. 61, Seriya biol., vyp. 4, 1949,
s. 30-38

SO: LETOPIS ZHURNAL STATEY - Vol. 28, Moskva, 1949

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20954 Chagirov, I. A., Kul'tivirovaniye Tak nazyvayemogo perekhodnogo epiteliya v vospalitel'nom ochage po metodu prof. F. M. Lazarenko. Izvestiya Akad. Nauk Kazakh. SSR, No. 61, Seriya Biol., vyp. 4, 1949, s. 74-82.—Rezyume NA Kazakh. yaz.—Bibliogr: s. 81-82

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37476. CHAGIROV, I. A. i KARPOVA, V. I. Kharakteristika Koshno-
volosyanogo Pokrova Ovets Arkharomerinos. Izvestiya Akad. Nauk. Kazakh.
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CHAGIROV, I.A.

Histological structure of skin of the arkhar and its hybrids, the
Arkharomerinos. Trudy Inst. eksp. biol. AN Kazakh. SSR 2:8-22 '54.

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(HIDES AND SKINS)

(MIRA 10:2)

CHAGIROV, I. A.

CHAGIROV, I. A.: "Pathological-morphological characteristics of inflammation of the lungs in infectious Pleuropneumonia ('kebeneke') in goats". Alma-Ata, 1955. Min Higher Education USSR. Alma-Ata Zooveterinary Inst. (Dissertation For the Degree of Doctor of Science of Veterinary Sciences)

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Pathomorphologic characteristics of infectious pleuropneumonia
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1. Laboratoriya morfologii shivotnykh Instituta zhiivotnovodstva
Kazakhskogo filiala Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk im. Lenina.

(Goats--Diseases and pests) (Pleuropneumonia)

CHAGIROV, I.A., LITVINOVA, L.D.

Some data on the development of the fetus of saigas. Trudy Inst.
zool. AN Kazakh. SSR 13:111-124 '60. (MIRA 13:7)
(Bet-Pak-Dala--Saiga) (Embryology--Mammals)

CHAGIROV, I.A.; LITVINOVA, L.D.; BERDIMURATOV, Zh.B.

Growth of some systems of organs in the fetuses of fine-wool
sheep and argali Merino sheep in Kazakhstan. Trudy Inst. eksp.
biol. AN Kazakh. SSR. 1:160-171 '64. (MIRA 18:4)

CHAGIROV I.A.

Embryonic histogenesis of the skin in fine-wool sheep. Trudy
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Chagilev, P. On a certain orthonormalized sequence.
 Bull. Acad. Sci. URSS. Sér. Math. [Izvestia Akad. Nauk
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 mary)

The author shows that the system

$$p_n(x) = \{ \varphi_n(n) \}^{-1} \sum_{d|n} \mu(n/d) F(dx) \quad n \text{ odd}$$

is orthonormal in $L^2(0, 1)$. Here $F(x) = 1$ ($0 < x < 1$),
 $F(x) = -1$ ($\frac{1}{2} < x < 1$), $\mu(n)$ is the Mobius function and
 $\varphi_n(n) = \sum_{d|n} \mu(n/d) F(dx)$. The system is shown to be complete
 for the class of functions $\lambda(x)$ (of period 1) belonging to
 $L^2(0, 1)$ for which $\lambda(1-x) = -\lambda(x)$ and $\lambda_1 = \varphi_n(x)$. The
 method employed is similar to one of L. N. V. [Res. Math. [Math. Slovaca] N.S. 16, 58-63 (1961), 1962, 1963, 1964, 1965] whose orthonormal system $\{\varphi_n(x)\}$ is connected with $\{\rho_n(x)\}$ by a simple relation. There are several misprints. R. A. Rankin (Cambridge, England).

Source. Mathematical Reviews,

Vol. 1, No. 3

CHAGOROVA, R.M.

POSPELOV, A.G.; CHAGOROVA, R.M.; NIKITINA, Ye.V., redaktor; TSYBINA, Ye.V.,
tekhnicheskii redaktor

[Wood destroying house fungi and measures to control them;
a popular scientific brochure.] Derevorazrushaiushchie
domovye griby i mery bor'by s nimi; nauchno-populiarnaiia
broshura. Frunse, Izd-vo Akad. nauk Kirgisskoi SSR, 1957.
28 p.

(MLRA 10:5)

(Wood-decaying fungi)

CHAGOVETS, B. V., LAKHNO, YE. V., RYBINA, A. A., and SHIUTMAN, TS. M.
(USSR)

"The Effect of Vitamin B₁, C and Nicotinic Acid Loading on the
Content of These Substances in the Tissues and on Certain Aspects
of Metabolism."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

USSR/Human and Animal Physiology - (Normal and Pathological).
Neuro-Muscular Physiology.

T

Abs Jour : Ref Zhur Biol., No 4, 1959, 17875

Author : Chagovets, N.R.

Inst : -

Title : Biochemical Changes in Muscles During the Period of Rest
after Physical Work.

Orig Pub : Ukr. biokhim. zh., 1957, 29, No 4, 450-457

Abstract : A number of rats were investigated in a state of relative rest (control), and a number immediately after 15 minutes of swimming in water at 30-32° and after a period of rest. The content of phosphocreatine in the muscles, decreasing sharply during work (by 60%), was quickly restored and after 30 minutes rest somewhat exceeded the initial level. Parallel to the decrease of the glycogen content, the level of lactic acid in the muscles and blood during work increased, and decreased in accordance with glycogen

Card 1/3

-2

USSR/Human and Animal Physiology - (Normal and Pathological).
Neuro-Muscular Physiology.

T

Abs Jour : Ref Zhur Biol., No 4, 1959, 17875

restoration; furthermore, after $\frac{1}{2}$ -1 hour of rest, its content in the muscles, and especially in the blood, turned out to be considerably lower than initially. The general activity of dehydrases under the influence of work increased and turned out to be the highest after 30 minutes of rest. A sharp increase of lactic dehydrogenase activity immediately after work was replaced by a decrease to the initial value after only 5 minutes of rest. The increase of activity of isocitric dehydrogenase was less expressed and was observed only after 30 minutes of rest, reaching maximum value after 2 hours. After 6 hours, normal activity was noted. ATP activity of muscles, increasing during work and especially after 5 minutes of rest, later decreased, reaching the initial level after 30 min. A decrease by 12% of total N content in muscles after work and during the first period of rest was replaced after

Card 2/3

USSR/Human and Animal Physiology - (Normal and Pathological). T
Neuro-Muscular Physiology.

Abs Jour : Ref ZhurBiol., No 4, 1959, 17875

2 hours by the restoration of the initial level. Only
after 24 hours was a normal amount of total N noted.
The residual N of blood increased immediately after work
and gradually returned to normal.

Card 3/3

- 79 -

CHAGOVETS, N.R. [Chahovets, N.R.]

Biochemical changes in muscles during repeated work as related to the duration of the rest interval between loads [with summary in English]. Ukr.biokhim.zhur. 30 no.5:661-668 '58 (MIRA 11:12)

1. Sektor biokhimii Leningradskogo nauchno-issledovatel'skogo instituta fiskul'tury.

(MUSCLE)

(REST)

CHAGOVETS, N. R. Cand Biol Sci -- (diss) "Biochemical ^{changes} ~~alterations~~ in muscles
after single and repeated ^{exertion} ~~performance~~ of work of various duration." Len, 1959
15 pp (Len Order of Lenin State Univ in A. A. Zhdanov), 250 copies
(KL, 52-59, 119)

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SECRET

MAKAROVA, A.F.; CHAGOVETS, N.R.

Effect of vitamin-E enriched feed rations on biochemical changes in working muscles. Ukr. biokhim. zhur. 32 no.4:560-565 '60.

(MIRA 13:9)

1. Sektor biokhimii Leningradskogo nauchno-issledovatel'skogo instituta fizicheskoy kul'tury.

(TOCOPHEROL)

(MUSCLE)

YAKOVLEV, N.N.; LESHKEVICH, L.G.; MAKAROVA, A.F.; POPOVA, N.K.;
ROGOZKIN, V.A.; CHAGOVETS, N.R.

Age peculiarities in the body's reaction to physical exercise.
Fiziol. Zhur. 46 no. 7:834-841 J1 '60. (MIRA 13:8)

1. From the Research Institute of Physical Culture, Leningrad.
(EXERCISE)

CHAGOVETS, N. R., YAKOVLEV, N. N., KRASNOVA, A. F., LESIIKEVICH, L. G., ROGOZKIN, V. A.,
(USSR).

The Significance of ATP content for Biochemical Processes after Exercises of Various
Duration.

report presented at the 5th Int'l.
Biochemistry Congress, Moscow, 10-16 Aug. 1961.

CHAGOVETS, N.R., SHAMRAY, YE.F., MARKOSYAN, A.A., FROL'KIS, V.V., MARKAROVA, A.F.

"Determining the vitamin requirements of athletes and their utilization for increasing athletic work capacity."

Report submitted for the 13th Intl. Congress of Sports Medicine
Moscow July - Aug 1961

KRASNOVA, A.F.; CHAGOVETS, N.R.

Biochemical changes in rat muscles during exercise of various duration and under conditions of supplementary inclusion of malt extract, maltose, and glucose into their food ration. Ukr. biokhim. zhur. 33 no.3:402-406 '611 (MIRA 14:6)

1. Sektor biokhimii Leningradskogo nauchno-issledovatel'skogo instituta fizicheskoy ku'ltury.
(MALT EXTRACTS) (EXERCISE) (MUSCLE)

YAKOVLEV, N.N.; KALEDIN, S.V.; KRASNOVA, A.F.; LESHKEVICH, L.G.;
POPOVA, N.K.; MOGOZKIN, V.A.; CHAGOVETS, N.R.; KOSTYGOVA, L.A.

Characteristics of physiological and chemical adaptation of the body
to muscular activity in relation to the length of rest intervals
between tasks during training. Fiziol. zhur. 47 no.6:752-757 Je '61.
(MIRA 15:1)

1. From the Research Institute of Physical Culture, Leningrad.
(EXERCISE) (REST) (METABOLISM)

CHAGOVETS, N.R.

10

*Probably
N.M.*

SEVERIN, Sergey Yevgen'yevich, Institute of Pharmacology and Chemotherapy, Academy of Medical Sciences, Moscow; VUL'FSON, N. S. [possibly P.L. VUL'FSON, Chair, Animal Biochemistry, Moscow State University (1959 position)] - "The importance of karnosis in neurotrophic relations" Session I

SHAMARINA, N. N., Physiological Laboratory, Academy of Sciences USSR, Moscow - "Effect of tetanic stimulation on different muscle fibers" II-2-b

STUDYUSKIY, Aleksandr Nikolayevich, ZHENEVSKAYA, R. P., and RUMYANTSEVA, O.N., all of the Institute of Animal Morphology imeni A. N. Severtsov, Academy of Sciences USSR, Moscow - "Neurotrophic influence in recovery of structure and function of regenerating muscle" I

TELEPNEVA, V. I., Chair, Animal Biochemistry, Moscow State University, Moscow - "Changes in muscle following denervation" Session II-2-a

YAKOVLEV, N. N., KRASNOVA, A. F., and CHAGOVETS, N.R., all of the Leningrad Scientific Research Institute, Institute of Physical Culture, Leningrad - "Adaptation of energy metabolism in muscle" Session II-2-b

report to be submitted for the Symposium on the Effects of Use and Disuse on Neuromuscular Functions (IUPS), Prague-Liblice, Czech, 18-24 Sep 1962.

CHAGOVETS, N.R.

Sarcoplasm proteins in muscle during work and rest. Vop. med.
khim. 8 no.6:599-603 N-D '62. (MIRA 17:5)

1. Sektor biokhimi Nauchno-issledovatel'skogo instituta
fizicheskoy kul'tury, Leningrad.

KRASNOVA, A.F.; CHAGOVETS, N.R.

Effect of the use of malt extract on biochemical changes
in the blood of athletes during work of different types.
Vop. pit. 21 no.2:37-39 Mr-Apr '62. (MIRA 15:3)

1. Iz sektora biokhimii (zav. - prof. N.N. Yakovlev)
Leningradskogo nauchno-issledovatel'skogo instituta fizicheskoy
kul'tury.

(MALT-EXTRACTS)

(EXERCISE)

(BLOOD)

YAKOVLEV, N.N.; LESHKEVICH, L.G.; ROGOZKIN, V.A.; CHAGOVETS, N.R.

Adaptation of middle-aged and elderly persons to strenuous
muscular activity. Fiziol. zhur. 49 no.9:1067-1070 S '63.

(MIRA 17:12)

1. Sektor biokhimi Nauchno-issledovatel'skogo instituta
fizicheskoy kul'tury, Leningrad.

CHAGOVETS, N.R. [Chahovets', N.R.]

Change in the citric and oxalacetic acid content of the muscles
in different functional states. Ukr. biokhim. zhur. 36 no.4:
499-505 '64. (MIRA 18:12)

1. Leningradskiy nauchno-issledovatel'skiy institut fizicheskoy
kul'tury. Submitted August 26, 1963.

✓ Ethereal oil of *Mentha verticillata*. R. K. Chagovets
and Yu. G. Borisyuk (Pharm. Inst., Kharkov). *Ukraine*.

Khim. Zvez. 22, 633-43 (1950) (in Russian).—In the leaves of *M. verticillata* the percent of ethereal oil is 0.31 before blooming, 0.40 at full bloom, and 0.33 after blooming. The oil contains α -pinene, β -pinene, about 6% carvone, about 50% menthofuran, dihydrocarveol, HOAc, an unknown terpene hydrocarbon, b. 170–5° (obtained from the fraction of the oil b.p. below 80°), nitrocellulose sol. 114–16.5°, hydrochloride m. 62°, and a substance, m. 186°.

Med

John Howe Scott

*Khar'kovskiy farmatsevticheskiy institut, kafedra
 farmakognozii.*

CHAGOVETS, R. K.

AUTHOR: Chagovets, R. K. and Borisjuk, Yu. G. 73-1-15/26

TITLE: Chemical Investigation of the Ester Oil of Field Mint.
(Khimicheskoye Issledovaniye ~~Efirnogo~~ Maslya Polevoy
Myaty.)

PERIODICAL: Ukrainskiy Khimicheskii Zhurnal, 1957, Vol.23, No.1,
pp. 82 - 84 (USSR).

ABSTRACT: Field mint, *Mentha Arvensis* L., occurs in the European part of the USSR and in Western Siberia. It is used for medicinal purposes. It was found that the leaves contained up to 0.34% of the ester oil, the stems up to 0.06%, the raceme up to 0.80% of the ester oil. The following substances were found in the ester oil: α -pinene, leavortatory limonene, about 30% of tertiary unsaturated linabol, about 4% pulegone, 6% linalyl acetate and acetic acid. Physico-chemical constants were obtained from the fractional distillation of the ester oil: specific weight $d_{20}^{20} = 0.8645$, refraction coefficient $n_D^{20} = 1.4728$, polarisation angle $\alpha_D^{20} = -3.3$, acid number = 1.02, ester number = 23.2, ester number (after acetylation) = 102.2. Boiling points as well as the above constants for various fractions are given in table 1. Four fractions obtained during the distillation of the oxygen containing fractions of the ester oil were analysed. Results are tabulated in table 2. There are

Card 1/2

PIVNENKO, G.P. [Pivnenko, H.P.]; CHAGOVETS, R.K. [Chahovets', R.K.];
PERTSEV, I.M.; BAKUMENKO, G.A. [Bakumenko, H.A.]

Increasing the productivity of workers in drugstores. Farmatsev.
zhur. 15 no.1:37-42 '60. (MIRA 14:5)

1. Kafedra tekhnologii likars'kikh form i galenovikh preparativ
Kharkivs'kogo farmatsevtichnogo instituta.
(DRUGSTORES)

PIVNEKO, G.P. [Pivnenko, H.P.]; CHAGOVETS, R.K. [Chahovets', R.K.];
PERTSEV, I.M.; SOTNIKOVA, O.M.

Presence of water-insoluble tannins in the roots of the spurge
Euphorbia palustris. Farmatsev. zhur. 16 no.1:32-35 '61.

(MIRA 17:8)

1. Khar'kovskiy farmatsevticheskiy institut.

PIVNEKO, G.P. [Pivnenko, H.P.]; GORDIYENKO, V.I. [Hordiienko, V.I.];
PERTSEV, I.M.; CHAGOVETS, R.K. [Chahovets', R.K.]

Effect of thickeners on the quality of suppositories. Farmatsev.
zhur. 17 no.4:9-13 '62. (MIRA 16:3)

1.Khar'kovskiy farmatsevticheskiy institut.
(SUPPOSITORIES) (THICKENING AGENTS)

CHUYKO, O.V.; PIVNENKO, G.P. [Pivnenko, H.P.]; PERTSEV, I.M.;
CHAGOVETS, R.K. [Chahovets', R.K.]; GRIN', N.P. [Hrin', N.P.]

Studying aseptic methods for the preparation of drugs.
Farmatsev. zhur. 17 no.6:43-48 '62. (MIRA 17:6)

1. Kafedra mikrobiologii i tekhnologii lekarstv Khar'kovskogo
farmatsevticheskogo instituta.

PIVNIENKO, G.P.; CHUYKO, O.V.; PERTSEV, I.M.; CHAGOVETS, R.K.

Preparation of ophthalmic ointments. Apt. delo 13 no.2:59-63
Mr-Ap '64. (MIRA 17:12)

1. Khar'kovskiy farmatsevticheskiy institut.

CHUYKO, O.V.; PIVNENKO, G.P. [Pivnenko, H.P.]; PERTSEV, I.M.; CHAGOVETS, R.K.
[Chahovets', R.K.]

Aseptic method of drug preparation in some pharmacies of the City
of Kharkov. Farmatsev. zhur. 19 no.6:34-37 '64. (MIRA 18:4)

1. Khar'kovskiy farmatsevticheskiy institut.

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Influence of work and training on the oxidation-reduction potential of muscle tissue. B. V. Chagovitz. *Ukrain. Pirokovo. Zbor. 7, No. 3-6, 31-32 (1960)*.—Fatigue makes the reduction-oxidation potential in rabbit and frog muscle more pos.; training the muscle makes it more neg.

B. C. A.

COMMON ELEMENTS		PROCESSING AND PROPERTIES INDEX		COMMON ELEMENTS	
<i>Co</i> The effect of work and training on the oxidation-reduction potential of muscle tissue. II. R. V. Chagovitz. <i>Ukrain. Biochem. Zhur.</i> 9, 273-99 (in Russian 290-315, in English 316-7) (1936); cf. C. A. 20, 8277. The oxidation-reduction potential of the ext. of a fatigued rabbit <i>liaps femoris</i> decreases more slowly than that of control muscle. The stable potential is reached in 150-180 min., compared to 60-90 min. The p_H of exts. from fatigued muscles are higher than in controls. These phenomena are supposedly due to an accumulation of oxidized components of reversible and irreversible oxidation-reduction systems. After training, the stable potential is reached faster than in the control. The p_H of the ext. is somewhat lower than in the control. It may be assumed that training has a favorable influence on the accumulation of reduced substances in the tissues. The training of one limb leads to a shift in the curve of the control limb, evidently on account of the influence of the training of one group of muscles on the oxidation-reduction processes in other limbs. A fair agreement of the results of these expts. with those of investigations on changes in chem. compo. of muscles permits the conclusion that the oxidation-reduction potential of exts. reflects the changes of oxidation-reduction in tissues. E. E. Stefanovsky		<i>11F</i>		11F	
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CA HE Effect of work and training on the oxidation-reduction potential of the muscular tissue. III. Changes in the oxidation-reduction potential of muscle in training and work due to the influence of acid and alkaline diet. E. Chagovitz. <i>Ukrain. Biochem. Zhur.</i> 9, 917-23 (in Rus. 1958); in English 384 (1958); cf. C. A. 51, 2274. Alk. or acid components in the diet cause considerable changes in the oxidation-reduction processes that det. the anaerobic oxidation-reduction potential of muscle ext. E. E. Stefanovsky																			
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107 117 Effect of exercise and training on the oxidation-reduction potential of the muscle tissue. IV. Interrelationship between changes in the oxidation-reduction potential and p_{H_2} of the muscle in fatigue and after training. Rost Chagovets. <i>Ukrain. Biochem. Zhur.</i> 9, 1005-14 (in Russian 1015, in English 1016) (1936); cf. C. A. 31, 3530. —Changes of E_H cannot be considered as a result of changes in the H-ion concn. No interdependence between E_H and p_{H_2} was noted during a 3-hr. capt. A decrease in the p_{H_2} was noted in the exts. and pulp of fatigued white muscles (biceps femoris) of a rabbit; a shift in the opposite direction is noted in the exts. and pulp of the trained muscle. E. E. Stefanowsky																																																			
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PROCESSES AND PROPERTIES INDEX An electrometric study of the oxidation-reduction processes in muscle tissue in relation to its activity. Roslly V. Chagovets. <i>J. Physiol. (U. S. S. R.)</i> 22, 534-41 (in English 545) (1937); cf. <i>C. A.</i> 31, 7498. The initial reduction potential of phosphate ext. from normal, fatigued and trained muscles of rabbits was 300, 430 and 500 mv. resp., when detd. in vacuo. In 3 hrs. the E_1 fell in all cases to 30 mv. The high values in fatigued muscles are due to the accumulation of oxidized components of the oxidation-reduction system, while an increase in concn. of the reduced components is observed in training. In the muscles of trained rabbits under polarized electrodes a sharp drop in anode potential from the normal was observed in 45-60 min. With fatigued muscles under polarized electrodes an initial high cathode potential was observed which fell to normal in 60 min. S. A. K.																			
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Physicochemical changes in tissue colloids due to muscle activity. Change in adsorptive properties of muscle. <i>Bozhov Y. (Ukraine). Biochem. J. (1938) 2, 241-4 (in Russian, 241-50; in English, 240-1) (1938)</i> --The amt. of Murex Red adsorbed from 0.01% soln. by normal rabbit muscle is more than by trained, and less than by fatigued, muscle. H. C. P. A.																																																			
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<i>Ca</i> <i>11 F</i> Change in the reduction potential of urine as a result of physical training exercises. Rostislav V. Chagovets, O. V. Koval'eva and A. D. Shevko. <i>Doklady Akad. Nauk SSSR</i> (Ukraine) 12, 253-75 (in Russian, 275 G; in English, 277-8) (1938).—The rH, the dichlorophenolindophenol reducing power and the vacat O of urine rise, and the pH falls, after exercise (wrestling, cycling). These results are ascribed to excretion of incompletely oxidized metabolites. R. C. P. A.																									
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Change in weight and dry matter content of muscles in connection with their function. R. V. Chagovets. <i>Biochem. J. (Ukraine)</i> 12, 427-32 (in Russian, 432-3; in English, 433-4) (1938). — The wt. of the biceps femoris muscle of one limb of rabbits differs from that of the other by not more than $\pm 3\%$. After fatiguing work, the wt. of the muscle rises by 8-33%, owing entirely to increased H_2O content. Training increases the wt. of muscles by 0.2-22%, without however, affecting the H_2O content. B. C. P. A.																																																																															
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